



INSPECTION & ACCEPTANCE OF HIGH PERFORMANCE BITUMINOUS PREMIX

GENERAL

High performance bituminous premix shall be a mixture of aggregate and bituminous material, which shall meet the requirements of the Iowa Department of Transportation for use as a winter patching material.

ACCEPTANCE

Acceptance of high performance bituminous premix for Iowa Department of Transportation Maintenance contracts will be on the basis of manufacturer and brand name approval of the bituminous material approved source of the aggregate, and batch testing of the final mixture.

BITUMINOUS MATERIAL MANUFACTURER AND BRAND NAME APPROVAL

To obtain approval of the bituminous material, the manufacturer shall submit the following to the Central Materials Office in Ames, Iowa:

1. Product identification
2. Recommended specifications for testing of the bituminous material
3. Technical information concerning the mixing and use of the product
4. A Material Safety Data Sheet (MSDS) for the product
5. A one-gallon (four-liter) sample of the bituminous material

The Central Materials Laboratory will evaluate the recommended specifications, technical information, and MSDS for appropriateness to the intended use. If these items are deemed appropriate, the bituminous material will be tested against the recommended specification. If all tests performed comply with the specification, the bituminous material will be mixed in the Central Laboratory with two standard aggregates (crushed limestone and a crushed quartzite) and tested for compatibility and low temperature workability.

If the mixture passes the laboratory trial tests, the manufacturer shall make arrangements for a field trial of the plant-produced mixture. A minimum of 30 tons (30 Mg) of mixture shall be provided to Iowa DOT Maintenance personnel between October 15 and January 15 for evaluation of the material as a winter patching mix. For the quantity of mixture provided, the manufacturer will be paid for the costs of mixing and hauling of the mixture; no compensation will be made for the material. A minimum of three Maintenance locations will be chosen to evaluate the material. Evaluation will be conducted according to Appendix A, which will be completed by the Maintenance personnel involved in the use of the material. A copy of the completed Appendix A Questionnaire will be submitted to the Central Materials Office for review. The Materials Engineer will decide approval status based on the review of test data and field performance. Approval of the bituminous material does not constitute approval of the final mixture.

ACCEPTANCE OF MIXTURE

Agency personnel will obtain samples of the aggregate, mixture, and bituminous material at the time of production. No material may be shipped until test results are available showing compliance with the applicable specifications. The same set of tests used for initial product approval will be performed for batch approval. In addition, an extraction-gradation test will be performed. This sampling and testing procedure will be conducted for each production run (batch) of plant-produced mixture, including the initial product, approval trial batch.